

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-7. (Cancelled)

8. (Presently Amended) A method for generating an arteriovenous fistula between an artery and a vein in-vivo, said method comprising the steps of:

(a) providing a first catheter that is positionable in the vein and a second catheter that is positionable in the artery, said first and second catheters having magnetic members thereon and at least one of said first and second catheters having a sliding perforation member ~~that moves axially~~ useable to perforate the artery and vein at adjacent locations to thereby create a fistula between the artery and vein;

(b) positioning the first catheter within the vein;

(c) positioning the second catheter within the artery;

(d) causing a magnetic attraction between the magnetic members; and

(e) ~~using a~~ causing the perforation member to move axially resulting in ~~perforation of located on at least one of said first and second catheters to perforate~~ the artery and vein at adjacent locations to thereby create a fistula between the artery and vein.

9. (Previously Presented) A method according to claim 8 wherein ultrasound imaging is used to facilitate positioning of at least one of the catheters.

10. (Previously Presented) A method according to claim 8 wherein intravascular ultrasound imaging is used to facilitate positioning of at least one of the catheters.

11. (Previously Presented) A method according to claim 8 wherein fluoroscopy is used to facilitate positioning of at least one of the catheters.

12. (Previously Presented) A method according to claim 8 wherein fluoroscopy with contrast medium is used to facilitate positioning of at least one of the catheters.

13. (Previously Presented) A method according to claim 8 wherein the first and second catheters have radiopaque markers thereon and wherein said radiopaque markers are used to facilitate positioning of the catheters relative to one another.

14. (Previously Presented) A method according to claim 8 wherein the magnet members on the catheters provided in Step a comprise rare earth magnets.

15. (Previously Presented) A method according to claim 8 wherein the magnetic attraction between the magnetic members results in adjustment of the positions of the catheters relative to one another.

16. (Previously Presented) A method according to claim 8 wherein the magnetic attraction between the magnetic members draws the artery and vein closer to each other.

17. (Previously Presented) A method according to claim 8 wherein the perforation member on at least one of the first and second catheters provided in Step a comprises a radiofrequency electrode.

18. (Previously Presented) A method according to claim 17 wherein Step c comprises actuating the radiofrequency electrode.

19. (Presently Amended) A method according to claim 18 wherein the axial movement of the electrode in ~~comprises a sliding electrode and wherein Step c further comprises slide the electrode to create~~ creates slit perforations in the walls of the artery and vein.

20. (Previously Presented) A method according to claim 8 further comprising the step of introducing boluses of carbon dioxide into the artery and vein adjacent to the location where the fistula is formed.